

Abstract

A piezoelectric actuator, e.g., for actuating a mechanical component, is proposed in which, with a multilayer structure of piezoelectric plies (2) and internal electrodes (3, 4, 5, 6) arranged between them, a lateral contacting of internal electrodes (3, 4, 5, 6) with external electrodes (7, 8; 14) in alternate directions is available. At specified intervals, one electrode layer of the internal electrode (5, 6) that is contacted (9, 10) on one side is always extended completely to the end of the other side, and the external electrode (7, 8) lying on the other side in each case thereby bridges over this layer to prevent a short circuit.

(Figure 1)